

## Programme at a glance

18 December 2024

8.00-9.00	<b>On-site Registration</b>
9.00-10.00	<b>OFFICIAL OPENING CEREMONY at Grand Ballroom (Level 2)</b>
	Welcome Remarks by the Co-chairperson of the Organising Committee, <i>Prof. Navadol Laosiripojana</i> , Thailand
	Welcome Remarks by the Co-chairperson of the Organising Committee, <i>Prof. Hideaki Ohgaki</i> , Japan
	Welcome Remarks by the Co-chairperson of the International Advisory Committee, <i>Dr. Suwit Tia</i> , Thailand
9.00-10.00	Welcome Remarks by the Co-chairperson of the International Advisory Committee, <i>Prof. Keiichi Ishihara</i> , Japan
	Opening and Keynote Address on <b>Securing a Sustainable and Affordable Energy Transition for a Net-Zero Future in Thailand</b> <i>Dr. Weerawat Chantanakome</i> , Former Executive Director, ASEAN Centre for Energy (ACE); Senior Counsel on Energy Policy, Economic Research Institute for ASEAN and East Asia (ERIA); and Special Counsellor on Energy, Ministry of Energy, Thailand
10.00-10.30	<b>GROUP PHOTO AND COFFEE BREAK</b>
10.30-12.00	<b>PLENARY KEYNOTE SESSION at Grand Ballroom (Level 2)</b> <b>Chairperson:</b> <i>Prof. Navadol Laosiripojana</i>
10.30-11.00	<b>Advanced Nuclear Technologies as Key Pillars of Sustainable Energy Solutions</b> <i>Dr. Wison Luangdilok</i> , H2Technology, LLC, USA
11.00-11.30	<b>Decarbonization: Potential Future Contribution of Bioenergy</b> <i>Prof. Horst Kreimes</i> , Rosenheim Technical University of Applied Sciences, Germany
11.30-12.00	<b>Industrial Decarbonization: Practical Solutions and Innovation in Clean Heat</b> <i>Dr. Ali Hasanbeigi</i> , Global Efficiency Intelligence, LLC, USA
12.00-13.30	<b>LUNCH at Flow Restaurant (Lobby)</b>

18 December 2024 (cont')

PARALLEL SESSIONS				
13.30-15.00	<b>Orchid Room, Level M</b>	<b>Lotus Room, Level M</b>	<b>Jasmine Room, Level M</b>	<b>Grand Ballroom C, Level 2</b>
	<b>Chairperson:</b> <i>Dr. Chaiwat Ekkawatpanit</i>	<b>Chairperson:</b> <i>Prof. Sumate Chaiprapat</i>	<b>Chairperson:</b> <i>Dr. Surawut Chuangchote</i>	<b>Coordinator:</b> <i>Dr. Sirintornthep Towprayoon</i>
	<b>TOPIC E</b> Environmental and Climate Science, Technology, and Management	<b>TOPIC F-G</b> Future Climate Technologies, and Green Governance and Policy	<b>TOPIC D</b> Decarbonization of End-Use Sectors	<b>SPECIAL SESSION</b> The Challenges of Plastic Waste Crisis in Management, Recycling and Recovery
15.00-15.30	<b>COFFEE BREAK</b>			
15.30-18.00	<b>Grand Ballroom A &amp; B, Level 2</b>			<b>Grand Ballroom C, Level 2</b>
	<b>Chairperson:</b> <i>Dr. Suneerat Fukuda</i>			<b>Coordinator:</b> <i>Dr. Sirintornthep Towprayoon</i>
	<b>PANEL DISCUSSION</b> Green Skills for Net Zero Carbon Economy and 2030 UN SDGs: Insights from JGSEE Alumni			<b>SPECIAL SESSION</b> The Challenges of Plastic Waste Crisis in Management, Recycling and Recovery
18.00-20.00	<b>NETWORKING RECEPTION at Flow Restaurant (Lobby)*</b>			

\*Please see the terms and conditions that apply at [www.see-conf.com/registration-fees-and-policies](http://www.see-conf.com/registration-fees-and-policies)

**19 December 2024 (cont')**

<b>8.00-9.00</b>	<b>On-site Registration</b>		
<b>9.00-10.30</b>	<b>PLENARY KEYNOTE SESSION at Grand Ballroom (Level 2)</b> <b>Chairperson:</b> <i>Dr. Sirintornthep Towprayoon</i>		
<b>9.00-9.30</b>	<b>Future Green Jobs Towards Net Zero Emissions and SDGs</b> <i>Dr. Mushtaq Memon</i> , United Nations Environment Programme, Regional Office for Asia and the Pacific		
<b>9.30-10.00</b>	<b>Sustainable Consumption and Production for Thailand's Net-Zero Future</b> <i>Dr. Thumrongrut Mungcharoen</i> , Thai SCP Network and Asia Pacific Roundtable for SCP Foundation		
<b>10.00-10.30</b>	<b>Can a Circular Economy Lead to Net Zero? A View from a Life Cycle and Planetary Boundaries Perspective</b> <i>Prof. Shabbir H. Gheewala</i> , The Joint Graduate School of Energy and Environment, Thailand		
<b>10.30-11.00</b>	<b>COFFEE BREAK</b>		
<b>11.00-12.30</b>	<b>PARALLEL SESSIONS</b>		
	<b>Orchid Room, Level M</b>	<b>Lotus Room, Level M</b>	<b>Jasmine Room, Level M</b>
	<b>Chairperson:</b> <i>Dr. Thapat Silalertruksa</i>	<b>Chairperson:</b> <i>Dr. Boonrod Sajjakulnukit</i>	<b>Chairperson:</b> <i>Dr. Pipat Chaiwiwatworakul</i>
	<b>TOPIC E</b> Environmental and Climate Science, Technology, and Management	<b>TOPIC A</b> Advanced Energy and Power Systems	<b>TOPIC D</b> Decarbonization of End-Use Sectors
<b>12.30-13.30</b>	<b>LUNCH at Flow Restaurant (Lobby)</b>		

19 December 2024 (cont')

PARALLEL SESSIONS					
	Orchid Room, Level M	Lotus Room, Level M	Jasmine Room, Level M	Grand Ballroom A, Level 2	Grand Ballroom C, Level 2
13.30-15.20	<b>Chairperson:</b> <i>Dr. Savitri Garivait</i>	<b>Chairperson:</b> <i>Dr. Pomyos Vallikul</i>	<b>Chairperson:</b> <i>Dr. Ryuichi Ashida</i>	<b>Coordinator:</b> <i>Prof. Shabbir H. Gheewala</i>	<b>Coordinator:</b> <i>Dr. Amnat Chidthaisong</i>
	<b>TOPIC E</b> Environmental and Climate Science, Technology, and Management	<b>TOPIC A</b> Advanced Energy and Power Systems	<b>TOPIC B</b> Bioenergy, Biofuels and Biorefinery	<b>SPECIAL SESSION</b> Moving Towards Carbon Neutrality and Sustainability of Food, Feed, Fuel through BCG Using Life Cycle Thinking	<b>SPECIAL SESSION</b> Climate Change Mitigation with Soil Carbon Sequestration
15.20-15.50	<b>COFFEE BREAK</b>				
15.50-17.40	<b>Chairperson:</b> <i>Dr. Sate Sampattagul</i>	<b>Chairperson:</b> <i>Dr. Nattapong Chayawatto</i>	<b>Chairperson:</b> <i>Dr. Ryuichi Ashida</i>	<b>Coordinator:</b> <i>Prof. Shabbir H. Gheewala</i>	<b>Coordinator:</b> <i>Dr. Amnat Chidthaisong</i>
	<b>TOPIC E</b> Environmental and Climate Science, Technology, and Management	<b>TOPIC A</b> Advanced Energy and Power Systems	<b>TOPIC B</b> Bioenergy, Biofuels and Biorefinery	<b>SPECIAL SESSION</b> Moving Towards Carbon Neutrality and Sustainability of Food, Feed, Fuel through BCG Using Life Cycle Thinking	<b>SPECIAL SESSION</b> Climate Change Mitigation with Soil Carbon Sequestration

20 December 2024 (cont')

8.00-9.00	<b>On-site Registration</b>				
9.00-10.00	<b>PLENARY KEYNOTE SESSION at Grand Ballroom (Level 2)</b> <b>Chairperson:</b> <i>Dr. Suneerat Fukuda</i>				
9.00-9.30	<b>Materials and Processes Design for Solar Cells and their Evaluations: Quantum Dots Composites for Photovoltaic System</b> <i>Prof. Takashi Sagawa, Kyoto University, Japan</i>				
9.30-10.00	<b>Green Hydrogen Pathways for a Sustainable Net-Zero Future</b> <i>Prof. Navadol Laosiripojana, The Joint Graduate School of Energy and Environment, Thailand</i>				
10.00-10.30	<b>COFFEE BREAK</b>				
10.30-12.30	<b>PARALLEL SESSIONS</b>				
	<b>Orchid Room, Level M</b>	<b>Lotus Room, Level M</b>	<b>Jasmine Room, Level M</b>	<b>Grand Ballroom A, Level 2</b>	<b>Grand Ballroom C, Level 2</b>
	<b>Chairperson:</b> <i>Dr. Awassada Phongphiphat</i>	<b>Chairperson:</b> <i>Prof. Shabbir H. Gheewala</i>	<b>Chairperson:</b> <i>Dr. Suthum Patumsawad</i>	<b>Chairperson:</b> <i>Dr. Mongkut Piantanakulchai</i>	<b>Coordinator:</b> <i>Prof. Hideaki Ohgaki</i>
	<b>TOPIC E</b> Environmental and Climate Science, Technology, and Management	<b>TOPIC C</b> Circular Economy and Sustainability	<b>TOPIC B</b> Bioenergy, Biofuels and Biorefinery	<b>TOPIC D</b> Decarbonization of End-Use Sectors	<b>SPECIAL SESSION</b> The 10th JASTIP-WP2 Annual Workshop
12.30-13.30	<b>LUNCH at Flow Restaurant (Lobby)</b>				
13.30-15.00	<b>PARALLEL SESSIONS</b>				
	<b>Orchid Room, Level M</b>	<b>Lotus Room, Level M</b>	<b>Jasmine Room, Level M</b>	<b>Grand Ballroom C, Level 2</b>	
	<b>Chairperson:</b> <i>Dr. Komsilp Wangyao</i>	<b>Chairperson:</b> <i>Dr. Sebastien Bonnet</i>	<b>Chairperson:</b> <i>Prof. Mirko Barz</i>	<b>Coordinator:</b> <i>Prof. Hideaki Ohgaki</i>	
	<b>TOPIC E</b> Environmental and Climate Science, Technology, and Management	<b>TOPIC C</b> Circular Economy and Sustainability	<b>TOPIC B</b> Bioenergy, Biofuels and Biorefinery	<b>SPECIAL SESSION</b> The 10th JASTIP-WP2 Annual Workshop	
15.00-16.00	<b>AWARD AND CLOSING CEREMONY at Grand Ballroom (Level 2)</b>				